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OM nucleic - nucleic search, using sw model

Run on: June 23, 2004, 16:49:56 ; Search time 1705 Seconds
(without alignments)

11808.732 Million cell updates/sec

Title: US-09-652-292C-1

Perfect score: 4395

Sequence: 1 gaggggtcccttgcaggcc.....atattttgtaaaaaaaaa 4395

Scoring table: IDENTITY_NUC Gapext 1.0

Searched: 3017426 seqs, 2290544650 residues

Total number of hits satisfying chosen parameters: 6034852

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0% Maximum Match 100%

Database : Published Applications NA:*

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19: /cgn2_6/_ptodata/1/pubpna/us60_pubcomb.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution

SUMMARIES

Result No.	Score	Match	Length	DB ID	Description
1	4065.4	92.5	4126	15 US-10-241-220-17	Sequence 17, Appl
2	4029	91.7	4385	15 US-10-162-012-43	Sequence 43, Appl
3	4029	91.7	4385	15 US-10-144-624-1	Sequence 1, Appl
4	4029	91.7	4385	16 US-10-162-10-43	Sequence 43, Appl
5	3924.4	89.3	4075	15 US-10-128-19-1	Sequence 58, Appl
6	1871.8	42.6	1917	13 US-10-132-447-58	Sequence 58, Appl
7	1642.6	37.4	1714	16 US-10-120-988-437	Sequence 437, Appl
8	1628.2	37.0	1689	15 US-10-162-012-45	Sequence 45, Appl
9	1625.2	37.0	1689	15 US-10-144-624-3	Sequence 3, Appl
10	1623.2	37.0	1689	16 US-10-162-10-45	Sequence 45, Appl
11	1284	29.2	1284	15 US-10-029-386-33	Sequence 33, A
12	529.6	12.1	530	13 US-10-027-632-136458	Sequence 136458,
13	529.6	12.1	530	16 US-10-037-632-136458	Sequence 136458,
c	522.2	12.0	593	15 US-10-029-386-775	Sequence 775, App

ALIGNMENTS

RESULT 1

US-10-241-220-17

; Sequence 17, Application US/10241220

; Publication No. US/0030148408A1

; GENERAL INFORMATION:

; APPLICANT: Frantz, Gretchen

; APPLICANT: Hillian, Kenneth J.

; APPLICANT: Phillips, Heidi

; APPLICANT: Polakis, Paul

; APPLICANT: Spencer, Susan

; APPLICANT: Williams, P. Mickey

; APPLICANT: Wu, Thomas

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DIAGNOSIS AND TREATMENT OF TUMOR

; FILE REFERENCE: P5010R1-US

; CURRENT APPLICATION NUMBER: US/10/241, 220

; CURRENT FILING DATE: 2002-12-13

; NUMBER OF SEQ ID NOS: 120

; SEQ ID NO 17

; LENGTH: 4126

; TYPE: DNA

; ORGANISM: Homo sapien

US-10-241-220-17

Query Match 92.5%; Score 4064.4; DB 15; Length 4126;

Best Local Similarity 99.2%; Pred. No. 0; Mismatches 31; Indels 1;

Matches 4094; Conservative 0; MisMatches 92.5%; Score 4064.4; DB 15; Length 4126;

Qy 242 CCTCGCCATGGCCACTCCCACTTGTGCTCTGTGCTTGCTGG 301

Db 1 CGCTGCCATGGCCACTCCCCACCTTGTGCTCTGTGCTTGCTGG 60

Qy 302 GTCGCCCTGACCTTTGGTTATGAAGTCAGTCATATGGGCCCTGTGCTGGACTGAGC 361

Db 61 GTCGCCCTGACCTTTGGTTATGAAGTCAGTCATATGGGCCCTGTGCTGGACTGAGC 120

Db	2281	GCCAGGCTGGTGTGAECTCTGAGGTCAAGTGATCCACCTTGAAGCTCCAGAGTG 2340
Qy	2581	CTAGGATTACAGGCCCTTTGACTCTTGACTCTTGAGTTTATGACCCCTTAATTCTCTT 2640
Db	2341	CTAGGATTACAGGCCCTTTGACTCTTGAGTTTATGACCCCTTAATTCTCTT 2400
Qy	2641	ACCCAGATAATTATTCCTTACAGGCCAACTCTGACTCTTGAGCTTCAAGTGCTTCA 2700
Db	2401	ACCCAGATAATTATTCCTTACAGGCCAACTCTGACTCTTGAGCTTCAAGTGCTTCA 2460
Qy	2701	GTCCCTGGTGTGGTGTGATGGTGTGATGGTGTGAGATGACCAAGGGCTCAAGTTTCCCATT 2760
Db	2461	GTCTCTGGTGTGGTGTGATGGTGTGAGATGACCAAGGGCTCAAGTTTCCCATT 2520
Qy	2761	GTTATAATGGAAAGCCGTACCAAGGTCAATTCTTAAGATTCTCTGACTCTGAGCTGG 2820
Db	2521	GTTATAATGGAAAGCCGTACCAAGGTCAATTCTTAAGATTCTCTGACTCTGAGCTGG 2580
Qy	2821	AATTCTAAATGCTGGTCTAGGAGCTCTCCAGGAAGCTGTGAGGATGGCTGGAAAG 2880
Db	2581	AATTCTAAATGCTGGTCTAGGAGCTCTCCAGGAAGCTGTGAGGATGGCTGGAAAG 2640
Qy	2881	GAGATGGTGTGGAGGCCAACAAACCTGGCTGTCAATAATTGGCTTGGCAGGCC 2940
Db	2641	GAGATGGTGTGGAGGCCAACAAACCTGGCTGTCAATAATTGGCTTGGCAGGCC 2700
Qy	2941	CTTGAACTTGAGTAATAAACAAACTCCCTGAACTCTGAGTTCTCATCTGCAGAAATGGGA 3000
Db	2701	CTTGAACTTGAGTAATAAACAACTCCCTGAACTCTGAGTTCTCATCTGCAGAAATGGGA 2760
Qy	3001	TAATTATGTCCTCAGGGGTATATTAAACCTGGCTTCAAGGAGTGGTCCCGAGGTGT 3060
Db	2761	TAATTATGTCCTCAGGGGTATATTAAACCTGGCTTCAAGGAGTGGTCCCGAGGTGT 2820
Qy	3061	CCAGGGCCTGGGAAATTCTACTTATCTCTCATTAACCCAGGTCCCTCTTGGACCCCTGTA 3120
Db	2821	CCAGGGCCTGGGAAATTCTACTTATCTCTCATTAACCCAGGTCCCTCTTGGACCCCTGTA 2880
Qy	3121	AAGGGCTAGGGTGAATCAAGATGGGACTGTGAGCAAGTAGCTGTAGCTCATGCTAA 3180
Db	2941	AAGGGCTAGGGTGAATCAAGATGGGACTGTGAGCAAGTAGCTGTAGCTCATGCTAA 3000
Qy	3181	GGAAGGGACTGACAAGAAGCTTCCAGATGCTGGGGAAATGAGGACTAAATAGTCCT 3240
Db	2881	AAGGGCTAGGGTGAATCAAGATGGGACTGTGAGCAAGTAGCTGTAGCTCATGCTAA 2940
Qy	3241	AGGTGGTGGATGCTTGTCTCATCCATGGTGCACATATGGTGGCTGGAGGCCCAAGG 3300
Db	3001	AGGTGGTGGATGCTTGTCTCATCCATGGTGCACATATGGTGGCTGGAGGCCCAAGG 3060
Qy	3301	ACTCTGGCCTCTGAGTTCTCTTATCTTCTGAGCTTCTCCCTTGATCTAGCTTCA 3360
Db	3061	ACTCTGGCCTCTGAGTTCTCTTATCTTCTGAGCTTCTCCCTTGATCTAGCTTCA 3120
Qy	3361	ATGTGGCTGGTGGCTGGTGGCAAGGTTGTGAGGGCTGGTGTACATTTCAGGTTT 3420
Db	3121	ATGTGGCTGGTGGCTGGTGGCAAGGTTGTGAGGGCTGGTGTACATTTCAGGTTT 3180
Qy	3421	TACAACCTGGTAAACAGGCCATTATAAAAATTAAATGATTTAAATTAAATTAAGTA 3480
Db	3181	TACAACCTGGTAAACAGGCCATTATAAAAATTAAATGATTTAAATTAAATTAAGTA 3240
Qy	3481	AATTACATTAAACAAAAAAATTATCTCAAATTCATTACTTAATTCTTACTACCTGTTA 3540
Db	3241	AATTACATTAAACAAAAAAATTATCTCAAATTCATTACTTAATTCTTACTACCTGTTA 3300
Qy	3541	CTTATTATCTGGTGTGGCTTGTGAGGGCTTATGAGCACTTGTGGAGCTTGGGGAG 3600
Db	3301	CTTATTATCTGGTGTGGCTTGTGAGGGCTTATGAGCACTTGTGGAGCTTGGGGAG 3360
Qy	3601	ACACCCGGCAGATCTTCTCTGATTCCCACTCAATGACATCATGTTAGTCCTGGTGTGCTT 3660
Db	3361	ACACCCGGCAGATCTTCTCTGATTCCCACTCAATGACATCATGTTAGTCCTGGTGTGCTT 3420

RESULT 2
US-10-162-012-43
Sequence 43, Application US/10162012
Publication No. US20030051660A1
GENERAL INFORMATION:
APPLICANT: Curtis, Roy A.J.
APPLICANT: Silos-Santiago, Inmaculada
APPLICANT: Gu, Wei
TITLE OF INVENTION: NOVEL HUMAN ION CHANNEL AND TRANSPORTER FAMILY MEMBERS
FILE REFERENCE: 10448-190001
CURRENT APPLICATION NUMBER: US/10/162,012
CURRENT FILING DATE: 2002-06-04
PRIOR APPLICATION NUMBER: US 60/209,845
PRIOR FILING DATE: 2000-06-06
PRIOR APPLICATION NUMBER: US 09/875,321
PRIOR FILING DATE: 2001-06-06
PRIOR APPLICATION NUMBER: PCT/US01/18340
PRIOR FILING DATE: 2001-06-06
PRIOR APPLICATION NUMBER: US 60/209,257
PRIOR FILING DATE: 2000-06-05
PRIOR APPLICATION NUMBER: US 09/875,423
PRIOR FILING DATE: 2001-06-05
PRIOR APPLICATION NUMBER: PCT/US01/18398

PRIOR FILING DATE: 2001-06-05
PRIOR APPLICATION NUMBER: US 60/209,238
PRIOR FILING DATE: 2000-06-05
PRIOR APPLICATION NUMBER: US 09/875,363
PRIOR FILING DATE: 2001-06-05
PRIOR APPLICATION NUMBER: PCT/US01/18247
PRIOR FILING DATE: 2001-06-05
PRIOR APPLICATION NUMBER: US 60/227,068
PRIOR FILING DATE: 2000-08-22
PRIOR APPLICATION NUMBER: US 09/928,530
PRIOR FILING DATE: 2001-08-13
PRIOR APPLICATION NUMBER: PCT/US01/25475
PRIOR FILING DATE: 2001-08-15
PRIOR APPLICATION NUMBER: US 60/225,770
PRIOR FILING DATE: 2000-08-21
PRIOR APPLICATION NUMBER: US 09/934,421
PRIOR FILING DATE: 2002-03-28
PRIOR APPLICATION NUMBER: PCT/US02/09728
PRIOR FILING DATE: 2002-03-28
PRIOR APPLICATION NUMBER: US 60/290,288
PRIOR FILING DATE: 2001-05-11
PRIOR APPLICATION NUMBER: US (not assigned)
NUMBER OF SEQ ID NOS: 48
PRIOR FILING DATE: 2002-05-13
SOFTWARE: Fast-SEQ for Windows Version 4.0
SEQ ID NO: 43
LENGTH: 4385
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (174) ... (1859)
US-10-162-012-43

Query Match Score 91.7% DB 15; Length 4385;
Best Local Similarity 98.9%; Pred. No. 0;
Matches 409; Conservative 0; Mismatches 40; Indels 6; Gaps 3;

Qy	238	GTCGGCGCCATGGGCCACTCCCCACTGCGCTTGTGCTCTCTGTTTG	297
Db	225	GCCCGCTTCCACGTCGCACTGCGCTTGTGCTCTCTGTTTG	284
Qy	298	CAGGTGCCTGACCTTGGTTATGAATGGAGTCATAAGTGCCTGCACTG	357
Db	285	CTGGTGCCTGACCTTGGTTATGAATGGAGTCATAAGTGCCTGCACTG	344
Qy	358	CACTTGACTTGGTAAGCTGGTGGAGGTTCTGGAGGCTGGCTCTG	417
Db	345	CACTTGACTTGGTAAGCTGGTGGAGGCTGGAGGCTGGCTCTG	404
Qy	418	GGGGCTCTCTCCCTGGCTGAGCTGGTGGAGGCTGGAGGAGCAA	477
Db	405	GGGGCTCTCCCTGGCTGAGCTGGTGGAGGCTGGAGGAGCAA	464
Qy	478	GCCATCCTGGAGCAACTTGGTGGCTGCTGGAGGAGCTGACCTGGCTG	537
Db	465	GCCATCCTGGAGCAACTTGGTGGCTGCTGGAGGAGCTGACCTGG	524
Qy	538	TCCCTGGCTGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGG	597
Db	525	TCCCTGGCTGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGG	584
Qy	598	ATGGCTTCTGACTGAGCTGAGCTGGAGGCTGGCTGGCTGG	657
Db	585	ATGGCTTCTGATCTGAGCTGGAGGCTGGCTGGCTGGCTGG	644
Qy	658	TCCCTATGAGGAGGGCATACCGTGGCATCCSCTCTATGCCCTAACTATGCCA	717
Db	645	TCCCTATGAGGAGGGCATACCGTGGCATCCSCTCTATGCCCTAACTATGCCA	704
Qy	718	CTGGCTCTGTAACCCCTGGGATGGAGCACATGTCGACTGCTGTC	777
Db	705	CTGGCTCTGTAACCCCTGGGATGGAGCACATGTCGACTGCTGTC	764
Qy	778	CTGCATCTCCCTAGCTCTCTCTCTCTCTCTCTCTCTCTCTCT	837
Db	765	CTGCATCTCCCTAGCTCTCTCTCTCTCTCTCTCTCTCTCT	824
Qy	838	GACCTCATCCACTTGGAGGCTGGCCACGGTAC	897
Db	825	GACCTCATCCACTTGGAGGCTGGCCACGGTAC	884
Qy	898	TCCTTCTGGACCTCTTCAAGGACGGATAACATCGAGGCGAAC	957
Db	885	TCCTTCTGGACCTCTTCAAGGACGGATAACATCGAGGCGAAC	944
Qy	958	GGGCTGGTGGCTCTTCAAGGACGGATAACATCGAGGCGAAC	1017
Db	945	GGGCTGGTGGCTCTTCAAGGACGGATAACATCGAGGCGAAC	1004
Qy	1018	ATCTTAAGCTCCGTTGGTTCCATGGGATCTCTGGCTGTCGGCT	1077
Db	1005	ATCTTAAGCTCCGTTGGTTCCATGGGATCTCTGGCTGTCGGCT	1064
Qy	1078	GCGCAGTGAAGTGGTGGAGCTGGCTGGCTGGCTGGCTGG	1137
Db	1065	GCGCAGTGAAGTGGTGGAGCTGGCTGGCTGGCTGGCTGG	1124
Qy	1138	AGGGCTCTGTGCTAGCTGGCTGGCTGGCTGGCTGGCTGG	1197
Db	1125	AGGGCTCTGTGCTAGCTGGCTGGCTGGCTGGCTGGCTGG	1184
Qy	1198	GTCAGCTTTCGCTGCCATGGACTCAGCTGCTGGCTGTCG	1257
Db	1185	GTCAGCTTTCGCTGCCATGGACTCAGCTGCTGGCTGTCG	1244
Qy	1258	GGGCAGACGGCTCCCTGGAGACTCTGGCTGGCTGGCTGGCT	1317
Db	1245	GGGCAGACGGCTCCCTGGAGACTCTGGCTGGCTGGCTGGCT	1304
Qy	1318	CCAAGGACCATGGACCAAGGGAGCAATCTGGCTGGCTGG	1377
Db	1305	CCAAGGACCATGGACCAAGGGAGCAATCTGGCTGGCTGG	1364
Qy	1378	CATCCAGATCTGGACCCCTCGCCCTGGCTGGCTGGCTGG	1437
Db	1365	CATCCAGATCTGGACCCCTCGCCCTGGCTGGCTGGCTGG	1424
Qy	1438	GGCCCTCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGG	1497
Db	1425	GGCCCTCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGG	1484
Qy	1498	ATGGCTTCTGCTAGCTGGCTGGCTGGCTGGCTGGCTGG	1557
Db	1485	ATGGCTTCTGCTAGCTGGCTGGCTGGCTGGCTGGCTGG	1544
Qy	1558	GAGATTAACCTGGAGATAAGCTGGCTGGCTGGCTGG	1617
Db	1545	GAGATTAACCTGGAGATAAGCTGGCTGGCTGGCTGG	1604
Qy	1618	GCGGCAAACCTCTGCTGCTGCTGCTGCTGCTGCTGCTG	1677
Db	1605	GCGGCAAACCTCTGCTGCTGCTGCTGCTGCTGCTGCTG	1664
Qy	1678	TGGACCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	1737
Db	1665	TGGACCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	1724
Qy	1738	GTCCCTAACACAAAAGGCACTGGCTGGCATCCSCTCTATGCCCTAACTATGCCA	1797

Db	1725	TTTCCCTGAAACAAAGGGCAAGTGGTGGCAGAGATAAGCCAGCAGTCAGAGACGG	1784	Qy	2877	AAAGGAGATGGGTTGGAGGCCAACAAACCTGGCTGTCAATTATTGCTTGCCTCTGGC	2936
Qy	1798	TTCACCCCTGAGCTTGGGCCAACAGGCCAGAAACTCCACTGCATCCCGTACAGCGCATCGAG	1857	Db	2863	AAAGGAGATGGTGGAGGCCAACAAACCTGGCTGTCAATTATTGCTTGCCTCTGGC	2922
Db	1795	TTCACCCCTGAGCTTGGGCCAACAGGCCAGAAACTCCACTGCATCCCGTACAGCGCATCGAG	1844	Qy	2937	AGCCCTTGAAACTTGAGTAATTAACTACAACTCCCTGAAACCTCAGTTCCCATATTGCTTGCCTCTGGC	2996
Qy	1858	ATCNCCTGGCCCTCCTGAGGAATTCTGGTGGAAACTCTGACTCTTGCAG	1916	Db	2923	ACCCCTGAACTTGAGTAATTAACTACAACTCCCTGAAACCTCAGTTCCCATATTGCTTGCCTCTGGC	2982
Db	1845	ATCNCCTGGCCCTCCTGAGGAATTCTGGTGGAAACTCTGACTCTTGCAG	1904	Qy	2997	GGGATTAATTATTCCTCCAGGGTATATTAGACCCTGTTTCAAGGAGGTCCCCAGC	3056
Qy	1917	GACCATCTCAGATCCCTGCTTCTAGGCCAGAGCAAGTCCAGTCCAGTCCAGTCCAG	1976	Db	2983	GGGATTAATTATTCCTCCAGGGTATATTAGACCCTGTTTCAAGGAGGTCCCCAGC	3042
Db	1905	GACCATCTCAGATCCCTGCTTCTAGGCCAGAGCAAGTCCAGTCCAGTCCAG	1964	Qy	3057	TGGTCAAGGGCTGGGAATTCTCACTTATCCTAATTACCAAGTCCCTTGCCTTGACCC	3116
Qy	1977	GAGTGGCCCTGCCAACAGGGTGGTTGCTTGTGCTTGTGCTTGTGCTTGTG	2036	Db	3043	TGGTCCAGGGCTGGGAATTCTCACTTATCCTAATTACCAAGTCCCTTGCCTTGACCC	3102
Db	1915	GAGTGGCCCTGCCAACAGGGTGGTTGCTTGTGCTTGTGCTTGTGCTTGTG	2024	Qy	3117	TGTAAGGGTCAAGGTGAATCAAGATGGGGACTGAGCAAGTAGCTGAGATCAT	3176
Qy	2037	AGATGCCCATTCTCAATTTCAGGTTCTAGGCCCTGAGGTTCTAGGATCTTC	2096	Db	3103	TGTAAGGGTCAAGGTGAATCAAGATGGGGACTGAGCAAGTAGCTGAGATCAT	3162
Db	2025	AGATGCCCATTCTCAATTTCAGGTTCTAGGCTGAGGATCTAGCT	2084	Qy	3177	GPAAGGAGGGAGGACTGAGCAAGAGGCTCCAGAGTGGCTAAATAGA	3236
Qy	2027	ATGCCCTGGTTCCCATGCTTGACTTTGGCATTTTGAGGATATTCTA	2156	Db	3163	GPAAGGAGGGAGGACTGAGCAAGAGGCTCCAGAGTGGCTAAATAGA	3222
Db	2095	ATGCCCTGAGTTCCCATGACTTGCACTCTGCAGTATTATAGAGAATTCTA	2144	Qy	3237	TCTTAAGTGTCTGATGCTTGTCACTTCATGCTGCACTATATGGTGTGCTGCA	3296
Qy	2157	TGAAGTCTTGTGCTGCCCATGGATTCTAAAGAATTCTCACGGGCA	2216	Db	3223	TCTTAAGTGTCTGATGCTTGTCACTTCATGCTGCACTATATGGTGTGCTGCA	3282
Db	2145	TGAAGTCTTGTGACATGGACTTCTCAGAGAATTCTCACGGTCA	2204	Qy	3297	AGGAACTCTGGGCTCTGAGTTCTCTCATTTCTCCATTCTGATGCTTCTGATC	3356
Qy	2217	GGAGGTTTTCGGATATTACCCCTAAATCCAAATGGAGATCATCTTCTAATCT	2276	Db	3283	AGGAACTCTGGCTCTGAGTTCTCCATTCTCCTATCTCCTTCTGAGTCTGCT	3342
Db	2205	GGAGGTTTTCGGATATTACCCCTAAATGGAGATCATCTTCTAATCT	2264	Qy	3357	ACTGATCTGCTGAGCTGGCTTGGCAAGGCTGGTGTGAGGCTTGTGCTACATTTCAGGA	3416
Qy	2227	TTTTTCACTGGCTGGGACATTTCGGAGGGAAAGTCTCTTTTACTCTTATT	2336	Db	3343	ACTGATCTGCTGAGCTGGCTTGGCAAGGCTGGTGTGAGGCTTGTGCTACATTTCAGGA	3402
Db	2265	TTTTTCACTGGCTGGGACATTTCGGAGGGAAACTCTCTTCTTACTCTTCA--	2322	Qy	3417	TTTTTACAGTTGTTAAACACNGCATTATAAAATTAAATTAAATTAAATTAA	3476
Qy	2337	TTTTTTTGTAGCTGGAGTCTCATTTGTGCTGAGCTGGCTGATCTGGCTCACTG	2396	Db	3403	TTTTTACAGTTGTTAAACACNGCATTATAAAATTAAATTAAATTAAATTAA	3462
Db	2323	TTTTTTTGTAGCTGGAGTCTCATTTGTGCTGAGCTGGCTGATCTGGCTCACTG	2382	Qy	3477	AGTAATTACATTAAACAAAAATTATACCTAAATTCTTCAATTCTTCAATTCT	3536
Qy	2397	CAACCTCCACTTCTGGTTCAAGCAGTCTCTGGCTCAGCTCTCAAGTGGGAT	2456	Db	3463	AGTAATTACATTAAACAAAAATTATACCTAAATTCTTCAATTCTTCAATTCT	3522
Db	2333	CAACCTCCACTTCTGGCTCAGCTTCAAGCAGTCTCTGGCTCAGCTTCAAGCAGTGGGAC	2442	Qy	3537	GTAACTATTATCTGCTGTTGGAGGCTATTCTACAGTAACTCTTATGGAGACCTAGG	3596
Qy	2457	TACAGGCCGCTGCCAACCCACCCAGTATTATTAGCAGAGATGGGTTCACTG	2516	Db	3523	GTAACTATTATCTGCTGTTGGAGGCTATTCTACAGTAACTCTTATGGAGACCTAGG	3582
Db	2443	TACAGGCCATGCAACCATACCCAGCTATTATTAGCAGAGATGGGTTCACTG	2502	Qy	3597	GGAGACACGGCCTCTCCTGATCCTGATCCTGACCTGCTTCTGTTCTGTTCTGTT	3656
Qy	2517	GTTGGCCAGGCTGGTGTGAACTCTGGCTCAAGTGTCACTCCAGCTCCAG	2576	Db	3583	GGAGACACGGCCTCTCCTGATCCTGATCCTGACCTGCTTCTGTTCTGTTCTGTT	3642
Db	2503	GTTGGCCAGGCTGGTGTGAACTCTGGCTCAAGTGTCACTCCAGCTCCAG	2562	Qy	3657	GCTTAACCTGGCTGGGAGGTGTTTGATCATAGGACTACACATCG	3716
Qy	2577	AGTGCTAGGATTACAGGGCTTGTGACTCTTGTAGTTTATTGACCCCTTAATCT	2636	Db	3643	GCTTAACCTGGCTGGGAGGTGTTTGATCATAGGACTACACATCG	3702
Db	2553	AGTGCTAGGATTACAGGGCTTGTGACTCTTGTAGTTTATTGACCCCTTAATCT	2622	Qy	3717	GGCTGTGATTATTGTTGTGATTCTAGCTTCAAGCTGCTGATAAAATGCTG	3776
Qy	2617	TCTTACCCAGAAATTATTCCTTCACCAGCAACTCTGCTCTGGCTCTGGCT	2696	Db	3703	GGCTGTGATTATTGTTGTGATTCTAGCTTCAAGCTGCTGATAAAATGCTG	3762
Db	2623	TCTTACCCAGAAATTATTCCTTCACCAGCAACTCTGCTCTGGCTCTGGCT	2682	Qy	3777	AATGCAAAATTAAACCTTAAAGTGTGATTCTGCTGATAAAATGCTG	3832
Qy	2617	TCTAGTCTGGTGGCTGGCTGCTGACTCTGCTCTGGCTCTGGCTCTGGCT	2756	Db	3763	AATGCAAAATTAAACCTTAAAGTGTGATTCTGCTGATAAAATGCTG	3896
Db	2683	TCTAGTCTGGTGGCTGGCTGCTGACTCTGCTCTGGCTCTGGCTCTGGCT	2742	Qy	3837	CTGAAATTCTAATGGCTGGCTGGCTGCTCCAGGATGGTGTCACTGGCT	3956
Qy	2757	ATTGTGATTAATGGCAAGCTGGCTGACTCTGCTGACTCTGGCTCTGGCT	2816	Db	3823	CTGAAATTCTAATGGCTGGCTGCTCCAGGATGGTGTCACTGGCT	3942
Db	2743	ATTGTGATTAATGGCAAGCTGGCTGACTCTGCTGACTCTGGCTCTGGCT	2802	Qy	3887	CTGAAATTCTAATGGCTGGCTGCTCCAGGATGGTGTCACTGGCT	3942
Qy	2817	CTGAAATTCTAATGGCTGGCTGGCTGCTCCAGGATGGTGTCACTGGCT	2876	Db	3883	CTGAAATTCTAATGGCTGGCTGCTCCAGGATGGTGTCACTGGCT	3942
Db	2803	CTGAAATTCTAATGGCTGGCTGGCTGCTCCAGGATGGTGTCACTGGCT	2862				

601	CCTCCCTCCCTGCTGGTACAGATGAGACTCGAACACAGAACCTCATCCAACTCAGGG	660	Db
658	AAGTGAGGCCAAAGCTGGGAGGCCAACGTTGACTCTCTTCGAACTCTTCAG	917	Qy
661	AAGTGAGGCCAAAGCTGGGAGGCCAACGTTGACTCTCTTCGAACTCTTCAG	720	Db
918	GCCACGGCATAACATGCCAGGGACCAACAGTGGGCTGGGAACTGGCTCTCCAGCA	977	Qy
721	GCCACGGCATAACATGCCAGGGACCAACAGTGGGCTGGGAACTGGCTCTCCAGCA	780	Db
978	ACTAACAGGGAGCCAAACGTTGAGCTTCAAGCTTCAACCATCTTCAGTCCTGGTT	1037	Qy
781	ACTAACAGGGAGCCAAACGTTGAGCTTCAAGCTTCAACCATCTTCAGTCCTGGTT	840	Db
1038	CCATGGGGATACCTCAGCGTGTGGCTCTGGGGCTTGGGGCAAGGGCTGGCAGC	1097	Qy
841	CCATGGGGATACCTCAGCGTGTGGCTCTGGGGCTTGGGGCAAGGGCTGGCAGC	900	Db
1098	TACCCCTGAGCTCTGGGGCTCTGGGGCTCTGGGGCTTGGGGCAAGGGCTGGCAGC	1157	Qy
901	TACCCCTGAGCTCTGGGGCTCTGGGGCTTGGGGCAAGGGCTGGCAGC	960	Db
1158	CTGTGCCCCCTAACGGCCCTGCTGCTGAGGCTCTGGCATAGGCTCTGGCTGGCCAT	1217	Qy
961	CTGTGCCCCCTAACGGCCCTGCTGCTGAGGCTCTGGCATAGGCTCTGGCTGGCCAT	1020	Db
1218	GGACTCAAGCCCAAGCTCTGGGGCTCTGGGGCTCTGGGGCAAGGGCTGGCAGC	1277	Qy
1021	GGACTCAAGCCCAAGCTCTGGGGCTCTGGGGCAAGGGCTGGCAGC	1080	Db
1278	AGACTCTGGCTCTGGGGCTCTGGGGCTCTGGGGCAAGGGCTGGCAGC	1337	Qy
1081	AGACTCTGGCTCTGGGGCTCTGGGGCAAGGGCTGGCAGC	1140	Db
1338	AAGGGCAACAACTTGGCACTGGCTAAGGAAACCAAGCCCACATCTGGAGACCC	1397	Qy
1141	AAGGGCAACAACTTGGCACTGGCTAAGGAAACCAAGCCCACATCTGGAGACCC	1200	Db
1398	CTAGGCCTCTGGCTCTGGCTGAGCTCTGGCTCTGGCTCTGGCTCTGGCT	1457	Qy
1201	CTAGGCCTCTGGCTCTGGCTGAGCTCTGGCTCTGGCTCTGGCTCTGGCT	1260	Db
1458	GGGGCATGCACTCTGGCTGAGCTCTGGCTCTGGCTCTGGCTCTGGCT	1517	Qy
1261	GGGGCATGCACTCTGGCTGAGCTCTGGCTCTGGCTCTGGCTCTGGCT	1320	Db
1518	CTCCCTTGGGTTGGGCCAGCTCTGGCTCTGGCTCTGGCTCTGGCT	1577	Qy
1321	CTCCCTTGGGTTGGGCCAGCTCTGGCTCTGGCTCTGGCTCTGGCT	1380	Db
1578	ACGAGGAGAGCCTTCGCTCTGGCTCAACTGGGCCAACCTTCATCAG	1637	Qy
1381	ACGAGGAGAGCCTTCGCTCTGGCTCAACTGGGCCAACCTTCATCAG	1440	Db
1698	ACTGACGGCTGCTCTGGCTGGCTCTGGCTCTGGCTCTGGCTCTGGCT	1757	Qy
1501	ACTGACGGCTGCTCTGGCTGGCTCTGGCTCTGGCTCTGGCTCTGGCT	1560	Db
1758	GTGTTGGCAAGATGAGAGCAGTCACTGGCTCACTGGCTCTGGCT	1817	Qy
1561	GTGTTGGCAAGATGAGAGCAGTCACTGGCTCACTGGCTCTGGCT	1620	Db
1818	CAGGCGAGACTCCACTGGCATTCGGGCTGGCTGAGATCTGGCTCTGGCT	1877	Qy
1621	CAGGCGAGACTCCACTGGCATTCGGGCTGGCTGAGATCTGGCT	1678	Db
1878	AATCCGCTGCAAGTCACTGGCTGGCTGGAGACCATCTCCAGATCCTGCT	1937	Qy
1679	AACAACTCCCTGAACTCCATCTGGCTGGCTGGGATATTGCTCCAGGG	1678	Db

Db	1612	TTCACCTCGTGGCTGGCCAAGGAGAACACTCCACCGGATCCACGCGCATCGAG	1671
Qy	1858	ATCTCTGGGCCCTCTGA	1875
Db	1672	ATCTCTGGGCCCTCTGA	1689
RESULT 9			
	US-10-144-624-3		
	Sequence 3, Application US/10144 624		
	Publication No. US20030113841A1		
	GENERAL INFORMATION:		
	APPLICANT: Curtis, Rory A. J.		
	NAME: Gu, Wei		
	TITLE OF INVENTION: A105, A NOVEL HUMAN SUGAR TRANSPORTER		
	TITLE OF INVENTION: FAMILY MEMBER AND USES THEREOF		
	CURRENT APPLICATION NUMBER: US/10/144, 624		
	CURRENT FILING DATE: 2002-05-13		
	PRIOR APPLICATION NUMBER: 60/290, 288		
	PRIOR FILING DATE: 2001-05-11		
	NUMBER OF SEQ ID NOS: 6		
	SOFTWARE: fastSEQ for Windows Version 4.0		
	SEQ ID NO: 3		
	LENGTH: 1689		
	TYPE: DNA		
	ORGANISM: Homo sapiens		
	US-10-144-624-3		
Query Match	37.0%	Score 1625.2; DB 15; Length 1689;	
Best Local Similarity	99.5%	Pred. No. 0; Mismatches 0; Indels 0; Gaps 0;	
Matches 1630; Conservative 0;			
Qy	238	GTCGGCTGGCATGGGCAACTCCACCGTGTCTGCCTTGCGTCTGTTG	297
Db	52	GTCGGCTGGCATGGGCAACTCCACCGTGTCTGCCTTGCGTCTGTTG	111
Qy	298	CTGGGTCACCTGACCTTTGGTTATGAACTGGCAGTCATATAGCTGGCCACTG	357
Db	112	CTGGGTCACCTGACCTTTGGTTATGAACTGGCAGTCATATAGCTGGCCACTG	171
Qy	358	CTGGGTCACCTGACCTTTGGCTAAAGCTCTGGCTGGAGAGTTCTGGCTCTG	417
Db	172	CTGGGTCACCTGACCTTTGGCTAAAGCTCTGGCTGGAGAGTTCTGGCTCTG	231
Qy	418	GAGGGCTCTCCCTCCCTGGCTGGCTGGCTGGCTGGAGAGTTCTGGCTGGAGCAA	477
Db	232	GAGGGCTCTCCCTCCCTGGCTGGCTGGCTGGAGAGTTCTGGCTGGAGCAA	291
Qy	478	GCCATCCGGAGCAAATTGGCTGCTGGCTGGAGAGTTCTGGCTGGAGCAA	537
Db	292	GCCATCCGGAGCAAATTGGCTGCTGGCTGGAGAGTTCTGGCTGGAGCAA	351
Qy	538	TCCCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGG	597
Db	352	TCCCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGG	411
Qy	598	ATGGCTGGCTGATTCATGGCTGCTGGCTGGAGGGCTGGCTGGCTGG	657
Db	412	ATGGCTGGCTGATTCATGGCTGCTGGAGGGCTGGCTGGCTGGCTGG	471
Db	658	TCCTCTATGAGCAGGATACCGTGGCTGGCTGGAGACTGCACTGGTGTG	777
Qy	778	TCGCAATTCCCTGAGCCCTCTCTGCTGGCTGGCTGGAGAGTCAACACAG	837
Db	592	TCGCAATTCCCTGAGCCCTCTCTGCTGGCTGGCTGGAGAGTCAACACAG	651
Qy	718	CTGGCTGGCTGGCTGGAGGACATTCCTGGCTGGCTGGAGACTGCACTGG	1857
Db	532	CTGGCTGGTACCCCTGGCTGGAGGACATTCCTGGCTGGCTGGAGACTGCA	591
Qy	838	GACCTATCCACTCCAGCTGGCTGGCTGGAGGAGGCCACAGTCAGGCTAC	897
Db	652	GACCTATCCACTCCAGCTGGCTGGCTGGAGGAGGCCACAGTCAGGCTAC	711
Db	712	TCCCTTCTGACCTCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGG	771
Qy	898	TCCCTTCTGACCTCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGG	1017
Db	772	GGCTGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGG	831
Qy	958	GGGTGGTGTGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGG	1077
Db	832	ATCTTAGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGG	891
Qy	1018	ATCTTAGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGG	1137
Db	892	GGCCAGTGAAGTGGCTGGCTGGCTGGCTGGCTGGCTGG	951
Qy	1078	GGCCAGTGAAGTGGCTGGCTGGCTGGCTGGCTGGCTGG	952
Db	1012	GTCACTTGTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGG	1011
Qy	1198	GTCACTTGTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGG	1257
Db	1192	GTCACTTGTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGG	1071
Qy	1258	GGCTAGAGTACGGCTCCATGGACTGGCTGGCTGGCTGGCTGG	1317
Db	1072	GGGGAGACAGGCTCCATGGAGACTCTGGCTGGCTGGCTGG	1131
Qy	1318	CCAGGAGCAATGGGACAAAGGGCAATCTTGCTGCTGGCTGGCTGG	1377
Db	1132	CCAGGAGCAATGGGACAAAGGGCAATCTTGCTGCTGGCTGG	1191
Qy	1378	CATCCAGATCTGGAGACCCCTAGCCCTCTGGCTGGCTGGCTGG	1437
Db	1192	CATCCAGATCTGGAGACCCCTAGCCCTCTGGCTGGCTGG	1251
Qy	1438	GGCCCCCTCTGGCTGGCTGGGGCATGCTACTGCTGGCTGGCTGG	1497
Db	1252	GGCCCCCTCTGGCTGGCTGGGGCATGCTACTGCTGGCTGGCTGG	1311
Qy	1498	ATGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGG	1557
Db	1312	ATGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGG	1371
Qy	1558	GAGATCTACCTGGTGGAGATAAGGAGAGGCTGCTGGCTGGCTGG	1617
Db	1372	GAGATCTACCTGGTGGAGATAAGGAGAGGCTGCTGGCTGGCTGG	1431
Qy	1618	GCGCCAACCTCTCATGCCTCTCATGCCTCTCATGCCTCTCATGC	1677
Db	1432	GCGCCAACCTCTCATGCCTCTCATGCCTCTCATGCCTCTCATGC	1491
Qy	1678	TGGACCTCTCTGCTGCTGGCTGGCTGGCTGGCTGGCTGGCTGG	1737
Db	1552	TGGACCTCTCTGCTGCTGGCTGGCTGGCTGGCTGGCTGGCTGG	1611
Qy	1798	TTCACCTGAGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGG	1857
Db	1612	TTCACCTGAGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGG	1671
Qy	1858	ATCTCTGGCTGGCTCTCTG	1875
Db	1672	ATCTCTGGCTGGCTCTCTG	1689

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RESULT 10
US-10-162-102-45
Sequence 145, Application US/10162102
; Publication No. US2003012336A1
; GENERAL INFORMATION:
; APPLICANT: Curtiss, RORY A.J.
; APPLICANT: Silios-Santiago, Inmaculada
; APPLICANT: Gu, Wei
; TITLE OF INVENTION: NOVEL HUMAN ION CHANNEL AND TRANSPORTER FAMILY MEMBERS
; FILE REFERENCE: 10448-190001
; CURRENT APPLICATION NUMBER: US/10/162,102
; CURRENT FILING DATE: 2003-04-04
; PRIOR APPLICATION NUMBER: US 60/209,845
; PRIOR FILING DATE: 2000-06-06
; PRIOR APPLICATION NUMBER: US 09/875,321
; PRIOR FILING DATE: 2001-06-06
; PRIOR APPLICATION NUMBER: PCT/US01/18340
; PRIOR FILING DATE: 2001-06-06
; PRIOR APPLICATION NUMBER: US 60/209,257
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: US 09/875,423
; PRIOR FILING DATE: 2001-06-05
; PRIOR APPLICATION NUMBER: PCT/US01/18398
; PRIOR FILING DATE: 2001-06-05
; PRIOR APPLICATION NUMBER: US 60/209,238
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: US 09/875,363
; PRIOR FILING DATE: 2001-06-05
; PRIOR APPLICATION NUMBER: PCT/US01/18247
; PRIOR FILING DATE: 2001-06-05
; PRIOR APPLICATION NUMBER: US 60/227,068
; PRIOR FILING DATE: 2000-08-22
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 48
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 45
; LENGTH: 1689
; TYPE: DNA
; ORGANISM: Homo sapiens
;
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Qy	658	TCCCTTATGAGGCCATACCGTGGCATCCTCTTGTCTTGCCTCAACTATGCA	717
Db	472	TCCCTTATGAGGCCATACCGTGGCATCCTCTTGTCTTGCCTCAACTATGCA	531
Qy	718	CNGGTGTACCCCTGGGATGGAGAACACATGTTGGCTGGCCACTGCTGGTC	777
Db	532	CNGGTGTACCCCTGGGATGGAGAACACATGTTGGCTGGCCACTGCTGGTC	591
Qy	778	CTGCAATTCCCTAGCTCTCTTCTCTCTGGTACAGATGAGCTGTGCAACACAAG	837
Db	592	CTGCAATTCCCTAGCTCTCTTCTCTCTGGTACAGATGAGCTGTGCAACACAAG	651
Qy	838	GACCTATCCCCTCAAGGAGGTGAGGCCAAAGTGCGGCCGGGGGGCAAGGTAC	897
Db	652	GACCTATCCCCTCAAGGAGGTGAGGCCAAAGTGCGGCCGGGGCAAGGTAC	711
Qy	898	TCCCTTCTGGACCTTCAGGGCACCGATAAACATGGAGGGGAAACCACAGTGGCCTG	957
Db	712	TCCCTTCTGGACCTTCAGGGCACCGATAAACATGGAGGGAAACCACAGTGGCCTG	771
Qy	958	GGGCTGGTGGCTCTTCCAGCAACTAACAGGGAGGCCAAACGTCGCTGCTGCTAAGCTCCACC	1017
Db	772	GGGCTGGTGGCTCTTCCAGCAACTAACAGGGAGGCCAAACGTCGCTGCTGCTAAGCTCCACC	831
Qy	1018	ATCTTAGCTCGTTGGTTCCATGGGGATCTCTAGCCGGCTCTGTGGGCTT	1077
Db	832	ATCTTAGCTCGTTGGTTCCATGGGGATCTCTAGCCGGCTCTGTGGGCTT	891
Qy	1078	GGGGCAAGTGAAGCTGGAGCTAACCCGTAACGGCATGGGCTGAGCGCGC	1137
Db	892	GGGGCAAGTGAAGCTGGAGCTAACCCGTAACGGCATGGGCTGAGCGCGC	951
Qy	1138	AGGGCTCTGTTGCTAGTGGCTGCTGGCCATGGGCAAGGCTGCTGGCTGCTGGCT	1197
Db	952	AGGGCTCTGTTGCTAGTGGCTGCTGGCCATGGGCAAGGCTGCTGGCTGCTGGCT	1011
Qy	1198	GTCAGCTTGGCGTGGCCATGGGACTGGCCCAAGGCTGCTGGCTGCTGGCC	1257
Db	1012	GTCAGCTTGGCGTGGCCATGGGACTGGCCCAAGGCTGCTGGCTGCTGGCC	1071
Qy	1258	GGCGAGACAGGCCCTCCCTGGAGACTCTGGCCCTGGCTGGAGACTCCCTCTAACCTCCATT	1317
Db	1072	GGCGAGACAGGCCCTCCCTGGAGACTCTGGCCCTGGCTGGAGACTCCCTCTAACCTCCATT	1131
Qy	1318	CCAAGGACCAATGAGGCCAAAGGGAGCCAACTCTGCTTCCACTGCTTAAAGAAAACCAGGCC	1377
Db	1132	CCAAGGACCAATGAGGCCAAAGGGAGCCAACTCTGCTTCCACTGCTTAAAGAAAACCAGGCC	1191
Qy	1378	CATCTCGATCTGGAGACCCCTGGCCCTCTGGCTGGCTGGAGCTGCTGGCT	1437
Db	1192	CATCTCGATCTGGAGACCCCTGGCCCTCTGGCTGGCTGGAGCTGCTGGCT	1251
Qy	1438	GCCCCCTCTGCCCCCTGGCCCTCTGGCCCTCTGGCTGGCTGGAGCTGCTGGCT	1497
Db	1252	GCCCCCTCTGCCCCCTGGCCCTCTGGCTGGCTGGAGCTGCTGGCT	1311
Qy	1498	ATGGCTTTGTCAGTGGCTCTTCTGGCTTGGCTGGCCAGTGGCTGGCTGGCTGGCT	1557
Db	1312	ATGGCTTTGTCAGTGGCTCTTCTGGCTTGGCTGGCTGGCCAGTGGCTGGCTGGCT	1371
Qy	1558	GAGATTAACCTGCTGGAGATAGGAGAGGCTCTGGCTGGCTGGCTGGCTGGCT	1617
Db	1372	GAGATTAACCTGCTGGAGATAGGAGAGGCTCTGGCTGGCTGGCTGGCTGGCT	1431
Qy	1618	GGGGCAACCCCTTCACTGGCTCTCTGGCTGGCTGGCTGGCTGGCTGGCT	1677
Db	1432	GGGGCAACCCCTTCACTGGCTCTCTGGCTGGCTGGCTGGCTGGCTGGCT	1491
Qy	1678	TGACCTCTCCCTGCTGCTGGAGATAGGAGAGGCTCTGGCTGGCTGGCTGGCT	1737
Db	1492	TGACCTCTCCCTGCTGCTGGAGATAGGAGAGGCTCTGGCTGGCTGGCTGGCT	1551

CURRENT APPLICATION NUMBER: US/10/0277,632
 CURRENT FILING DATE: 2002-04-30
 PRIOR APPLICATION NUMBER: US 60/218,006
 PRIOR FILING DATE: 2001-07-12
 PRIOR APPLICATION NUMBER: US 60/198,676
 PRIOR FILING DATE: 2000-04-20
 PRIOR APPLICATION NUMBER: US 60/193,483
 PRIOR FILING DATE: 2000-03-29
 PRIOR APPLICATION NUMBER: US 60/185,218
 PRIOR FILING DATE: 2000-02-24
 PRIOR APPLICATION NUMBER: US 60/167,363
 PRIOR FILING DATE: 1999-11-23
 PRIOR APPLICATION NUMBER: US 60/156,358
 PRIOR FILING DATE: 1999-09-28
 PRIOR APPLICATION NUMBER: US 60/146,002
 PRIOR FILING DATE: 1999-08-09
 NUMBER OF SEQ ID NOS: 325/20
 SOFTWARE: FastSEQ For Windows Version 4.0
 SEQ ID NO 136458
 LENGTH: 530
 TYPE: DNA
 ORGANISM: Human
 US-10-027-632-136458

Query Match 529.6
 Best Local Similarity 99.8%; Pred. No. 1
 Matches 529; Conservative 1; Mismatch 0

Query	Subject	Score	Start	End
Dy	3058 GTTCCAGGGCTCGGAAATTCTACTTATCC	12.11*	1	529
Dbb	1 GTCAGGGCTGGAAATTCTACTTATCC			
Dy	3118 GTAAAGGCTCAGGTGAAATCAGATGGGGAC	12.11*	1	529
Dbb	61 GTAAAGGCTCAGGTGAAATCAGATGGGGAC			
Dy	3178 TAAAGGAAGGCACTGACAAGAAGCTCCAGAT	12.11*	1	529
Dbb	121 TAAAGGAAGGCACTGACAAGAAGCTCCAGAT			
Dy	3238 CTAGGTGCTGATGCTTTGTCATCCATCGG	12.11*	1	529
Dbb	181 CTAGGTGCTGAGCTTGTCATCGG			
Dy	3298 AGGACTCTGGCCTCTGGAGTTCTCTATCTT	12.11*	1	529
Dbb	241 AGGACTCTGGCCTCTGGAGTTCTCTATCTT			
Dy	3358 GTGAGTGTGGAGCTGGTTGGCAAGCTT	12.11*	1	529
Dbb	301 GTGAGTGTGGAGCTGGTTGGCAAGCTT			
Dy	3418 TTTCACAGTGGTAACACAGCCATTATAA	12.11*	1	529
Dbb	361 TTTCACAGTGGTAACACAGCCATTATAA			
Dy	3478 GTAAATTACATTAAAACAAAAAATTATAC	12.11*	1	529
Dbb	421 GTAAATTACATTAAAACAAAAAATTATAC			
Dy	3538 TTACTTATCTGGCTTTGGAGGTATTTC	12.11*	1	529
Dbb	481 TTACTTATCTGGCTTTGGAGGTATTTC			

RESULT 13
 US-10-027-632-136458
 Sequence 136458, Application US/10027632
 Publication No. US20030204075A9
 GENERAL INFORMATION:
 APPLICANT: Wang, David G.
 TITLE OF INVENTION: Identification and Mapping of Polymorphisms in the Human Genome
 TITLE OF INVENTION: Identification and Mapping of Polymorphisms in the Human Genome

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FILE REFERENCE: 108827-129          US/10/027,632
: CURRENT FILING DATE: 2002-04-30
: PRIOR APPLICATION NUMBER: US 60/218,006
: PRIOR FILING DATE: 2000-07-12
: PRIOR APPLICATION NUMBER: US 60/198,676
: PRIOR FILING DATE: 2000-04-20
: PRIOR APPLICATION NUMBER: US 60/193,483
: PRIOR FILING DATE: 2000-03-29
: PRIOR APPLICATION NUMBER: US 60/185,218
: PRIOR FILING DATE: 2000-02-24
: PRIOR APPLICATION NUMBER: US 60/167,363
: PRIOR FILING DATE: 1999-11-23
: PRIOR APPLICATION NUMBER: US 60/156,358
: PRIOR FILING DATE: 1999-09-28
: PRIOR APPLICATION NUMBER: US 60/146,002
: PRIOR FILING DATE: 1999-08-09
: NUMBER OF SEQ ID NOS: 325720
: SOFTWARE: PabSBQ for Windows Version 4.0
SEQ ID NO: 136458
: LENGTH: 530
: TYPE: DNA
ORGANISM: Human
US-10-027-132-136458

Query Match          12.1%; Score 529.
Best Local Similarity 99.8%; Pred. No. 1
Matches 529; Conservative 1; Mismatch 0

Qy  3058 GTCGCCAGGGCTGGGAAATTCTACTTATCC
  1 GTCGCCAGGGCTGGAAATTCTACTTATCC
Db  3118 GTAAAGGGTCAAGGTGATCAGATGGGGAA
  1 GTAAAGGGTCAAGGTGATCAGATGGGGAA
  61 GTAAAGGGTCAAGGTGATCAGATGGGGAA
Db  3178 TTAGGAAAGGACTGACAGAACTCCAGAT
  121 TTAGGAAAGGACTGACAGAACTCCAGAT
Db  3238 CCTAGGTGCTGTATGCTTTGATCCATGCC
  181 CCTAGGTGCTGTATGCTTTGATCCATGCC
Qy  3298 AGGACTCTGGCTCTCGAGTCTCCPATCT
  241 AGGACTCTGGCTCTCGAGTCTCCPATCT
Db  3358 GTGATGTGCTGGCTTGAGCTTGCCAGGT
  301 GTGATGTGCTGGAGCTTGCCAGGT
Qy  3418 TTTCAGATGGTGGTAACAGCCATTATA
  361 TTTCAGATGGTGGTAACAGCCATTATA
Db  3478 GAAATTACATTAACAAAAATAATTATAC
  421 GAAATTACATTAACAAAAATAATTATAC
Qy  3538 TTACTATTATCTGTGCTTTGAGGTATTG
  481 TTACTATTATCTGTGCTTTGAGGTATTG

RESULT 14
US-10-029-186-775/c
: Sequence 775, Application US/10029386
: Publication No. US/0030194704A1
: GENERAL INFORMATION:
: APPLICANT: Penn, David R.
: APPLICANT: Rank, David R.
: APPLICANT:

```

i APPLICANT: Hanzel, David K. GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR C
 i TITLE OF INVENTION: EXPRESSION ANALYSIS TWO
 i FILE REFERENCE: AEOMICA X-2
 i CURRENT APPLICATION NUMBER: US/10/029, 386
 i NUMBER OF SEQ ID NOS: 34288
 i SOFTWARE: Anomax Sequence Listing Engine vers. 1.1
 i SEQ ID NO: 775
 i LENGTH: 535
 i TYPE: DNA
 i ORGANISM: Homo sapiens
 i FEATURE:
 i OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 2.7
 i OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.5
 i OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 3.1
 i OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 2.5
 i OTHER INFORMATION: EXPRESSED IN PELAL LIVER, SIGNAL = 1.9
 i OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.7
 i OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.7
 i OTHER INFORMATION: SWISSPROT HIT: P27556 EVALU: 3.00e-01
 i OTHER INFORMATION: EST HUMAN HIT: B1824797.1, EVALU: 0.00e+00
 i OTHER INFORMATION: NT HIT: 9114785183, EVALU: 0.00e+00
 i US-10-029-386-775

Query Match 12.0%; Score 527.2; DB 15; Length 593;
 Best Local Similarity 98.5%; Pred. No. 6.3e-113;
 Matches 532; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Qy 1014 CACCATTCAGTCGGTGGCAGCTACCCGTTCCATGGGGATCCTAGCGGTGCTGGCCACCGTGCAG 1073
 Db 593 CACCATTCAGTCGGTGGCAGCTACCCGTTCCATGGGGATCCTAGCGGTGCTGGCCACCGTGCAG 534

Qy 1074 GCCTGGCCAGTGGAAAGGTGGCAGCTACCCGTTCCATGGGGATCCTAGCGGTGCTGGCCACCGTGCAG 1133
 Db 533 GCCTGGCCAGTGGAAAGGTGGCAGCTACCCGTTCCATGGGGATCCTAGCGGTGCTGGCCACCGTGCAG 474

Qy 1134 CGGAGGGCTCTTGCCTAGCTGCTGGCCCTCATGCCCTGCGTAGTGCGATAG 1193
 Db 473 CGGAGGGCTCTTGCCTAGCTGCTGGCCCTCATGCCCTGCGTAGTGCGATAG 414

Qy 1194 CCTGTCAGCTTGCCTGGAACTGCAAGCTCTGCTGGTCCCAATGC 1253
 Db 413 CCTGTCAGCTTGCCTGGAACTGCAAGCTCTGCTGGTCCCAATGC 354

Qy 1254 CACGGGGAGACAGCCCTCCCTGGAGACTCTGGCCCTGCTGGAGACTCTGGCCCTCATGCCCTAAGAACCAA 1313
 Db 353 CACGGGGAGACAGCCCTCCCTGGAGACTCTGGCCCTCATGCCCTAAGAACCAA 294

Qy 1314 CATTCCAAGGACCATGAGGCCAAAGGGAGCCAAATCTGGCTGAGCTGGCCCTAAGAACCAA 1373
 Db 293 CATTCCAAGGACCATGAGGCCAAAGGGAGCCAAATCTGGCTGAGCTGGCCCTAAGAACCAA 234

Qy 1374 GCCCCATCCAGATCTGGAGACCCCTGCCCCCTCTGGCTGGCCCTGAGCTCTGGCTGAGCTGGCCCT 1433
 Db 233 GCCCCATCCAGATCTGGAGACCCCTGCCCCCTCTGGCTGGCCCTGAGCTGGCCCT 174

Qy 1434 CCTCTGGGCCCTGCTGGCTGAGCTGGCCCTGAGCTGGCCCTGAGCTGGCCCT 1493
 Db 173 CCTCTGGGCCCTGCTGGCTGAGCTGGCCCTGAGCTGGCCCTGAGCTGGCCCT 114

Qy 1494 CCTGATGGCTCTTGTCACTGGCCCTGAGCTGGCCCTGAGCTGGCCCT 1553
 Db 113 CCTGATGGCTCTTGTCACTGGCCCTGAGCTGGCCCTGAGCTGGCCCT 54

; APPLICANT: Vockley, Joseph G.
 ; APPLICANT: Scherf, Uwe
 ; APPLICANT: Gene Logic, Inc.
 ; TITLE OF INVENTION: Gene Expression Profiles in Liver Cancer
 ; FILE REFERENCE: 44921-5028-WO
 ; CURRENT APPLICATION NUMBER: US/09/880,107
 ; CURRENT FILING DATE: 2001-06-14
 ; PRIOR APPLICATION NUMBER: US 60/211,379
 ; PRIOR FILING DATE: 2000-06-14
 ; PRIOR APPLICATION NUMBER: US 60/237,054
 ; PRIOR FILING DATE: 2000-10-02
 ; NUMBER OF SEQ ID NOS: 3950
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO: 850
 ; LENGTH: 528
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; OTHER INFORMATION: Genbank Accession No. US20020142981A1 AA404352
 ; US-09-880-107-850

Query Match 12.0%; Score 526.4; DB 9; Length 528;
 Best Local Similarity 99.8%; Pred. No. 8.9e-113;
 Matches 527; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 3865 TTGAACACTGTCATCGGTTCAAGTGAACAGTGTCAAACTTAAAGAAGGAGTTCTGAA 3924
 Db 528 TTGAACACTGTCATCGGTTCAAGTGAACAGTGTCAAACTTAAAGAAGGAGTTCTGAA 469

Qy 3925 CATTCAATTTCATGTTTTACTTTGTCCTCTCACTACTGCTAAACAAAATTTCACCA 3984
 Db 468 CATTCAATTTCATGTTTTACTTTGTCCTCTCACTACTGCTAAACAAAATTTCACCA 409

Qy 3985 GCATTCATGGCGAACCTACCCATCTCTTCAGTGGCTAGCTGAGTTACGGGATT 4044
 Db 408 GCATTCATGGCGAACCTACCCATCTCTTCAGTGGCTAGCTGAGTTACGGGATT 349

Qy 4045 TTATCCTGTTAGCTCATTTTGTCAMTCATGCCAAATTCGAGTTGACTGTGGAT 4104
 Db 348 TTATCCTGTTAGCTCATTTTGTCAMTCATGCCAAATTCGAGTTGACTGTGGAT 289

Qy 4105 ACAAGGTTGGCAAAAAAAAAAATTAACAAATATTCTGTAAAGAATCTGTTGCTATA 4164
 Db 288 ACAAGGTTGGCAAAAAAAAAAATTAACAAATATTCTGTAAAGAATCTGTTGCTATA 229

Qy 4165 TGGAAATTAGATAAAGAAATTTCATAAAAGGTTATTCATAACACAAAA 4224
 Db 228 TGGAAATTAGATAAAGAAATTTCATAAAAGGTTATTCATAACACAAAA 169

Qy 4225 ATTGTGTTAGTTGCTGGCAACAAACTACCCCTATCTGTAAATTTATACACACAAA 4284
 Db 168 ATTGTGTTAGTTGCTGGCAACAAACTACCCCTATCTGTAAATTTATACACACAAA 109

Qy 4285 ATTACAAGAATTGTGAGAATTATGGCTATATGGCAATTGGATAGATAATTAC 4344
 Db 108 ATTACAAGAATTGTGAGAATTATGGCTATATGGCAATTGGATAGATAATTAC 49

Qy 4345 AATAAGAGATTTCATAAAAGGTTGTTATTGTTGAAAAAAA 4392
 Db 48 AATAAGAGATTTCATAAAAGGTTGTTATTGTTGAAAAAAA 1

Search completed: June 23, 2004, 21:41:17
Job time : 17.11 sees

RESULT 15
 US-09-880-107-850/c
 i Sequence 850, Application US/09880107
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 i GENERAL INFORMATION
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